



EU-Japan Partnering Support Mission in the Space Sector - Tokyo, 9 – 11 March 2015



Contact Details

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Lawton

Participant Profile

A focused and results orientated individual with a good range of man management and business leadership skills gained in the R&D environments of both start-ups & large, established companies. A track record of building motivated, high-quality teams who deliver results. Consistently demonstrated individual and team success throughout careers in biofuel technology, electronic product design & the European space sector. A pragmatic leader with a hands-on approach who believes in direct reward for achievement. Honours Degree in Electrical & Electronic Engineering.

Awards:

- **Oxfordshire Business Awards Winner: The LEP New Business Award 2014**
- **UKTI India Business Awards: Green Technology Award 2009**
- **National Business Awards: IMechE Engineering the Future Award 2007**

Company Profile

Headquarters and branch locations: Harwell Space Cluster, United Kingdom.

Shareholders: Founding team & Longwall Ventures.

Mission: To become recognised leaders of innovative & highly cost competitive deployable structures for the global space industry.

Technology portfolio: Products and intellectual property under development in the following areas:

- **Lightweight/low complexity rolled composite boom systems (flexi-PV; flexi antennas; sails)**
- **Stored energy composite hinge systems**
- **Large Deployables Antenna**

Commercial footprint: Key development contracts with Airbus Defence & Space, Thales Alenia Space, LuxSpace + 2 others.



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Value proposition for the Japanese market

- Oxford Space Systems is developing a range of linear extending boom systems based on its proprietary rolled composite materials. A prototype 2 metre demonstrator boom can be seen here: <http://youtu.be/ORc6DqYUytg> . A more rigid, scalable boom system design to carry higher mass payloads or antennas, built around the rolled composite boom can be seen here: http://youtu.be/sKG0n_5Qoj0 . The OSS rolled composite technology should be seen as a 'building block' technology that can be scaled and kinematically tuned for a wide range of applications such as flexible photo-voltaic arrays, deployable flexible antennas, de-orbit sails, on-orbit constructions etc. Oxford Space Systems is open to mutually beneficially collaborative developmental opportunities to bring the technology into Japan as well as a route to the European market for OSS-Japanese co-developments based upon its technology.
- Oxford Space Systems hopes to progress face to face discussions with two principle commercial contacts already established: Sakase-Adtech and WEL Research. Sakase-Adtech is seen as a key supplier of materials and thus OSS could act as a route to market for Sakase materials as a surface for its parabolic large deployable antenna <http://youtu.be/KrKXskt0sd8> . WEL Research are viewed as a key collaborator to co-develop boom & deployable products of interest to the Japanese market as well as global export.

Disclaimer: *The information contained here is only used for the purposes of this event with the aim of facilitating the Business-to-Business meetings.*